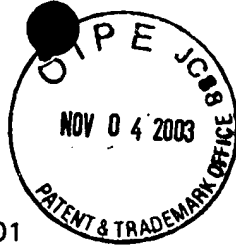


National Aeronautics and
Space Administration

Headquarters
Washington, DC 20546-0001



Patent Application



GSC-14339-1
(NASA Docket No.)

THE COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, DC 20231

RECEIVED

NOV 12 2003

Technology Center 2600

Sir:

Transmitted herewith is an amendment as identified below:

Serial No.: 09/804,645 Filed: March 13, 2001

Examiner: Dharia Group Art Unit: 1596

For: John Vranish

The fee has been calculated as shown below:

CLAIMS AS AMENDED					
FOR (1)	CLAIMS REMAINING AFTER AMENDMENT (2)	HIGHEST NUMBER PREVIOUSLY PAID FOR (3)	PRESENT EXTRA (4)	RATE (5)	ADDITIONAL FEE (6)
TOTAL CLAIMS -----	* 33	** 34	X 0	X	= 0
INDEPENDENT CLAIMS -----	* 4	*** 4	X 0	X	= 0
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					0

*If the entry in column (2) is less than the entry in column (3), enter "0" in column (4).

**If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter 20 in this space.

***Minimum number here is 3, even though a lesser number appeared in the application as filed.

☒ No additional fee is required.

☐ Please charge our Deposit Account No. 14-0116 shown as "TOTAL ADDITIONAL FEE," above. The Commissioner is hereby authorized to charge an additional fee which may be required to effect the filing of this application under 37 CFR 1.16, or credit any overpayment to Deposit Account No. 14-0116.

11/3/03
(Date)

Keth D. [Signature] 37,983
(Attorney of Record) (Reg. No.)

NOTE: This form is to be used when filing an amendment to a patent application.